

电机与控制学报

第 15 卷 第 5 期 (总第 79 期) 2011 年 5 月

目 次

- 永磁风力发电机分布式直流并网动态电压解耦补偿控制 唐任远, 张洪阳, 张志锋, 朱建光 (1)
- 双通道开关磁阻起动/发电机系统建模与仿真 丁文, 梁得亮 (7)
- 感应式电气变速器的电磁耦合与解耦控制 黄文祥, 张千帆, 崔淑梅, 程远 (16)
- 内部导体结构对 GIS 母线损耗发热的影响 范镇南, 罗永刚, 赵斌, 张德威, 陈显坡, 杨皓麟 (22)
- 无刷交流电励磁磁通切换电机电磁性能研究 王宇, 邓智泉, 王晓琳 (28)
- LCL 滤波并网逆变电源的控制策略研究 邓翔, 胡雪峰, 龚春英 (37)
- 三相 PWM 变换器传导干扰的预测分析 孙亚秀, 孙睿峰, 陈炳才 (42)
- 电能质量混杂补偿控制及其在企业配网的应用 王卫安, 桂卫华, 张定华, 阳春华, 黄艳燕 (49)
- 计及温度的永磁操动机构动态特性仿真与分析 张庆杰, 袁海文, 刘颖异 (57)
- 多电平逆变器多载波调制策略的谐波分析 周京华, 吴理心, 章小卫, 李正熙 (63)
- 一种新型的有源软开关变换器 褚恩辉, 叶树仁, 王遂宇 (72)
- 外永磁转子爪极电机转矩研究 白海军, 张凤阁 (78)
- 非线性电力系统中对称分量法的应用 邹文学, 庞兵, 陈庆国 (83)
- 大型水轮发电机阻尼条数对电磁参数和附加损耗的影响 霍菲阳, 李伟力, 王冬梅 (89)
- 一种改进的近似动态规划方法及其在 SVC 的应用 孙健, 刘锋, SI Jennie, 郭文涛, 梅生伟 (95)
- 一类不确定非线性系统的动态面输出调节方法 孟桂芝, 马克茂 (103)

期刊基本参数:CN 23-1408/TM * 1997 * m * A4 * 110* zh * P * ¥10.00 * 2000 * 16* 2011-05 * n

责任编辑:于双 英文审校:姜毓峰

ELECTRIC MACHINES AND CONTROL

Vol. 15 No. 5 May 2011

CONTENTS

- Dynamic voltage decoupling compensation control of distributed DC grid converter for permanent magnet wind generator *TANG Ren-yuan, ZHANG Hong-yang, ZHANG Zhi-feng, ZHU Jian-guang* (1)
- Modeling and simulation of dual-channel switched reluctance starter/generator system *DING Wen, LIANG De-liang* (7)
- Induction type electrical variable transmission's electromagnetic coupling and its decoupling control *HUANG Wen-xiang, ZHANG Qian-fan, CUI Shu-mei, CHENG Yuan* (16)
- Influences of the internal conductor structure to the loss and heat of GIS bus bar *FAN Zhen-nan, LUO Yong-gang, ZHAO Bin, ZHANG De-wei, CHEN Xian-po, YANG Hao-lin* (22)
- Study on electromagnetic performance of electrical excitation flux-switching brushless AC machine *WANG Yu, DENG Zhi-quan, WANG Xiao-lin* (28)
- Study on control scheme for grid-connected inverter with LCL filter *DENG Xiang, HU Xue-feng, GONG Chun-ying* (37)
- Forecast of conducted interference of three-phase PWM drive motor system *SUN Ya-xiu, SUN Rui-feng, CHEN Bing-cai* (42)
- Mixed dynamic power quality compensation control and its application on industrial power distribution network *WANG Wei-an, GUI Wei-hua, ZHANG Ding-hua, YANG Chun-hua, HUANG Yan-yan* (49)
- The simulation and analysis on permanent magnetism actuator dynamic characteristics considering ambient temperatures *ZHANG Qing-jie, YUAN Hai-wen, LIU Ying-yi* (57)
- Harmonic analysis of multi-level inverter multi-carrier modulation strategy *ZHOU Jing-hua, WU Li-xin, ZHANG Xiao-wei, LI Zheng-xi* (63)
- A novel active soft switching converter *CHU En-hui, YE Shu-ren, WANG Ao-yu* (72)
- Study on torque of claw pole machine with outer PM rotor *BAI Hai-jun, ZHANG Feng-ge* (78)
- Application of symmetrical component method and comparison with other power theory in nonlinear power system *ZOU Wen-xue, PANG Bing, CHEN Qing-guo* (83)
- Influence of damper winding on electromagnetic parameters and additional loss of large hydro-generator *HUO Fei-yang, LI Wei-li, WANG Dong-mei* (89)
- An improved approximate dynamic programming and its application in SVC control *SUN Jian, LIU Feng, SI Jennie, GUO Wen-tao, MEI Sheng-wei* (95)
- Dynamic surface output regulation method for a class of uncertain nonlinear systems *MENG Gui-zhi, MA Ke-mao* (103)

Serial parameters: CN 23-1408 / TM * 1997 * m * A4 * 110* zh * P * ¥10.00 * 2000 * 16* 2011-05 * n

Responsible Editor: YU Shuang **English Examiner:** JIANG Yu-feng